



1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/479,252A

DATE: 01/21/2004

TIME: 15:05:21

Input Set : A:\P0978P3C1.txt

Output Set: N:\CRF4\01202004\I479252A.raw

3 <110> APPLICANT: Ashkenazi, Avi J.
 4 Schwall, Ralph H.
 6 <120> TITLE OF INVENTION: Apo-2 Ligand
 8 <130> FILE REFERENCE: P0978P3C1
 10 <140> CURRENT APPLICATION NUMBER: US 09/479,252A
 11 <141> CURRENT FILING DATE: 2000-01-07
 13 <150> PRIOR APPLICATION NUMBER: US 09/060,533
 14 <151> PRIOR FILING DATE: 1998-04-15
 16 <150> PRIOR APPLICATION NUMBER: US 09/007,886
 17 <151> PRIOR FILING DATE: 1998-01-15
 19 <150> PRIOR APPLICATION NUMBER: US 08/780,496
 20 <151> PRIOR FILING DATE: 1997-01-08
 22 <150> PRIOR APPLICATION NUMBER: US 60/009,755
 23 <151> PRIOR FILING DATE: 1996-01-09
 25 <160> NUMBER OF SEQ ID NOS: 17
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 281
 29 <212> TYPE: PRT
 30 <213> ORGANISM: Homo sapiens
 32 <400> SEQUENCE: 1
 33 Met Ala Met Met Glu Val Gln Gly Gly Pro Ser Leu Gly Gln Thr
 34 1 5 10 15
 36 Cys Val Leu Ile Val Ile Phe Thr Val Leu Leu Gln Ser Leu Cys
 37 20 25 30
 39 Val Ala Val Thr Tyr Val Tyr Phe Thr Asn Glu Leu Lys Gln Met
 40 35 40 45
 42 Gln Asp Lys Tyr Ser Lys Ser Gly Ile Ala Cys Phe Leu Lys Glu
 43 50 55 60
 45 Asp Asp Ser Tyr Trp Asp Pro Asn Asp Glu Glu Ser Met Asn Ser
 46 65 70 75
 48 Pro Cys Trp Gln Val Lys Trp Gln Leu Arg Gln Leu Val Arg Lys
 49 80 85 90
 51 Met Ile Leu Arg Thr Ser Glu Glu Thr Ile Ser Thr Val Gln Glu
 52 95 100 105
 54 Lys Gln Gln Asn Ile Ser Pro Leu Val Arg Glu Arg Gly Pro Gln
 55 110 115 120
 57 Arg Val Ala Ala His Ile Thr Gly Thr Arg Gly Arg Ser Asn Thr
 58 125 130 135
 60 Leu Ser Ser Pro Asn Ser Lys Asn Glu Lys Ala Leu Gly Arg Lys
 61 140 145 150
 63 Ile Asn Ser Trp Glu Ser Ser Arg Ser Gly His Ser Phe Leu Ser
 64 155 160 165
 66 Asn Leu His Leu Arg Asn Gly Glu Leu Val Ile His Glu Lys Gly

ENTERED

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67          170          175          180
69 Phe Tyr Tyr Ile Tyr Ser Gln Thr Tyr Phe Arg Phe Gln Glu Glu
70          185          190          195
72 Ile Lys Glu Asn Thr Lys Asn Asp Lys Gln Met Val Gln Tyr Ile
73          200          205          210
75 Tyr Lys Tyr Thr Ser Tyr Pro Asp Pro Ile Leu Leu Met Lys Ser
76          215          220          225
78 Ala Arg Asn Ser Cys Trp Ser Lys Asp Ala Glu Tyr Gly Leu Tyr
79          230          235          240
81 Ser Ile Tyr Gln Gly Gly Ile Phe Glu Leu Lys Glu Asn Asp Arg
82          245          250          255
84 Ile Phe Val Ser Val Thr Asn Glu His Leu Ile Asp Met Asp His
85          260          265          270
87 Glu Ala Ser Phe Phe Gly Ala Phe Leu Val Gly
88          275          280
90 <210> SEQ ID NO: 2
91 <211> LENGTH: 1042
92 <212> TYPE: DNA
93 <213> ORGANISM: Homo sapiens
95 <400> SEQUENCE: 2
96 tttcctcact gactataaaa gaatagagaa ggaagggcctt cagtgaccgg 50
98 ctgcctggct gacttacagc agtcagactc tgacaggatc atggctatga 100
100 tggaggtcca ggggggaccc agcctgggac agacctgcgt gctgatcgtg 150
102 atcttcacag tgctcctgca gtctctctgt gtggctgtaa cttacgtgta 200
104 ctttaccaac gagctgaagc agatgcagga caagtactcc aaaagtggca 250
106 ttgcttgttt cttaaaagaa gatgacagtt attgggaccc caatgacgaa 300
108 gagagtatga acagcccctg ctggcaagtc aagtggcaac tccgtcagct 350
110 cgtagaaaag atgattttga gaacctctga ggaaaccatt tctacagttc 400
112 aagaaaagca acaaaatatt tctcccctag tgagagaaaag aggtcctcag 450
114 agagtagcag ctcacataac tgggaccaga ggaagaagca acacattgtc 500
116 ttctccaaac tccaagaatg aaaaggctct gggccgcaaa ataaactcct 550
118 gggaaatcatc aaggagtggg cattcattcc tgagcaactt gcacttgagg 600
120 aatggtgaac tggatcatcca tgaaaaaggg ttttactaca tctattccca 650
122 aacatacttt cgatttcagg aggaaataaa agaaaacaca agaacgaca 700
124 aacaaatggg ccaatatatt tacaaataca caagttatcc tgaccctata 750
126 ttgttgatga aaagtgctag aaatagttgt tgggtctaaag atgcagaata 800
128 tggactctat tccatctatc aagggggaat atttgagctt aaggaaaatg 850
130 acagaatttt tgtttctgta acaaatgagc acttgataga catggaccat 900
132 gaagccagtt ttttcggggc ctttttagtt ggctaactga cctggaaaga 950
134 aaaagcaata acctcaaaag gactattcag ttttcaggat gatacactat 1000
136 gaagatgttt caaaaaatct gaccaaaca aacaaacaga aa 1042
138 <210> SEQ ID NO: 3
139 <211> LENGTH: 390
140 <212> TYPE: DNA
141 <213> ORGANISM: Homo sapiens
143 <400> SEQUENCE: 3
144 gggaccccaa tgacgaagag agtatgaaca gcccctgctg gcaagtcaag 50
146 tggcaactcc gtcagctcgt tagaaagatg attttgagaa cctctgagga 100
148 aaccatttct acagttcaag aaaagcaaca aaatatttct cccctagtga 150

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150 gagaaagagg tcctcagaga gtagcagctc acataactgg gaccagagga 200
152 agaagcaaca cattgtcttc tccaaactcc aagaatgaaa aggctctggg 250
154 ccgcaaaata aactcctggg aatcatcaag gagtgggcat tcattcctga 300
156 gcaacttgca cttgaggaat ggtgaactgg tcatccatga aaaaggggtt 350
158 tactacatct attcccaaac atactttcga tttcaggagg 390
160 <210> SEQ ID NO: 4
161 <211> LENGTH: 60
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Sequence is synthesized
168 <400> SEQUENCE: 4
169 tgacgaagag agtatgaaca gccctgctg gcaagtcaag tggcaactcc 50
171 gtcagctcgt 60
173 <210> SEQ ID NO: 5
174 <211> LENGTH: 60
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Sequence is synthesized
181 <400> SEQUENCE: 5
182 ggtgaactgg tcatccatga aaaaggggtt tactacatct attcccaaac 50
184 atactttcga 60
186 <210> SEQ ID NO: 6
187 <211> LENGTH: 13
188 <212> TYPE: PRT
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Sequence is synthesized
194 <400> SEQUENCE: 6
195 Ser Met Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn
196 1 5 10
198 <210> SEQ ID NO: 7
199 <211> LENGTH: 27
200 <212> TYPE: PRT
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Sequence is synthesized
206 <400> SEQUENCE: 7
207 Lys Tyr Ala Leu Ala Asp Ala Ser Leu Lys Met Ala Asp Pro Asn
208 1 5 10 15
210 Arg Phe Arg Gly Lys Asp Leu Pro Val Leu Asp Gln
211 20 25
213 <210> SEQ ID NO: 8
214 <211> LENGTH: 24
215 <212> TYPE: PRT
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: Sequence is synthesized

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221 <400> SEQUENCE: 8
222 Met Gly His His His His His His His His His Ser Ser Gly
223   1                               5               10           15
225 His Ile Asp Asp Asp Asp Lys His Met
226                               20
228 <210> SEQ ID NO: 9
229 <211> LENGTH: 175
230 <212> TYPE: PRT
231 <213> ORGANISM: Homo sapiens
233 <400> SEQUENCE: 9
234 Asp Pro Ala Gly Leu Leu Asp Leu Arg Gln Gly Met Phe Ala Gln
235   1                               5               10           15
237 Leu Val Ala Gln Asn Val Leu Leu Ile Asp Gly Pro Leu Ser Trp
238                               20               25           30
240 Tyr Ser Asp Pro Gly Leu Ala Gly Val Ser Leu Thr Gly Gly Leu
241                               35               40           45
243 Ser Tyr Lys Glu Asp Thr Lys Glu Leu Val Val Ala Lys Ala Gly
244                               50               55           60
246 Val Tyr Tyr Val Phe Phe Gln Leu Glu Leu Arg Arg Val Val Ala
247                               65               70           75
249 Gly Glu Gly Ser Gly Ser Val Ser Leu Ala Leu His Leu Gln Pro
250                               80               85           90
252 Leu Arg Ser Ala Ala Gly Ala Ala Ala Leu Ala Leu Thr Val Asp
253                               95              100          105
255 Leu Pro Pro Ala Ser Ser Glu Ala Arg Asn Ser Ala Phe Gly Phe
256                               110             115          120
258 Gln Gly Arg Leu Leu His Leu Ser Ala Gly Gln Arg Leu Gly Val
259                               125             130          135
261 His Leu His Thr Glu Ala Arg Ala Arg His Ala Trp Gln Leu Thr
262                               140             145          150
264 Gln Gly Ala Thr Val Leu Gly Leu Phe Arg Val Thr Pro Glu Ile
265                               155             160          165
267 Pro Ala Gly Leu Pro Ser Pro Arg Ser Glu
268                               170             175
270 <210> SEQ ID NO: 10
271 <211> LENGTH: 132
272 <212> TYPE: PRT
273 <213> ORGANISM: Homo sapiens
275 <400> SEQUENCE: 10
276 Val Ser His Arg Tyr Pro Arg Ile Gln Ser Ile Lys Val Gln Phe
277   1                               5               10           15
279 Thr Glu Tyr Lys Lys Glu Lys Gly Phe Ile Leu Thr Ser Gln Lys
280                               20               25           30
282 Glu Asp Glu Ile Met Lys Val Gln Asn Asn Ser Val Ile Ile Asn
283                               35               40           45
285 Cys Asp Gly Phe Tyr Leu Ile Ser Leu Lys Gly Tyr Phe Ser Gln
286                               50               55           60
288 Glu Val Asn Ile Ser Leu His Tyr Gln Lys Asp Glu Glu Pro Leu
289                               65               70           75

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```

291 Phe Gln Leu Lys Lys Val Arg Ser Val Asn Ser Leu Met Val Ala
292                                     80                                     85                                     90
294 Ser Leu Thr Tyr Lys Asp Lys Val Tyr Leu Asn Val Thr Thr Asp
295                                     95                                     100                                     105
297 Asn Thr Ser Leu Asp Asp Phe His Val Asn Gly Gly Glu Leu Ile
298                                     110                                     115                                     120
300 Leu Ile His Gln Asn Pro Gly Glu Phe Cys Val Leu
301                                     125                                     130
303 <210> SEQ ID NO: 11
304 <211> LENGTH: 151
305 <212> TYPE: PRT
306 <213> ORGANISM: Homo sapiens
308 <400> SEQUENCE: 11
309 Gln Gln Gln Leu Pro Leu Glu Ser Leu Gly Trp Asp Val Ala Glu
310 1 5 10
312 Leu Gln Leu Asn His Thr Gly Pro Gln Gln Asp Pro Arg Leu Tyr
313 20 25 30
315 Trp Gln Gly Gly Pro Ala Leu Gly Arg Ser Phe Leu His Gly Pro
316 35 40 45
318 Glu Leu Asp Lys Gly Gln Leu Arg Ile His Arg Asp Gly Ile Tyr
319 50 55 60
321 Met Val His Ile Gln Val Thr Leu Ala Ile Cys Ser Ser Thr Thr
322 65 70 75
324 Ala Ser Arg His His Pro Thr Thr Leu Ala Val Gly Ile Cys Ser
325 80 85 90
327 Pro Ala Ser Arg Ser Ile Ser Leu Leu Arg Leu Ser Phe His Phe
328 95 100 105
330 His Gln Gly Cys Thr Ile Val Ser Gln Arg Leu Thr Pro Leu Ala
331 110 115 120
333 Arg Gly Asp Thr Leu Cys Thr Asn Leu Thr Gly Thr Leu Leu Pro
334 125 130 135
336 Ser Arg Asn Thr Asp Glu Thr Phe Phe Gly Val Gln Trp Val Arg
337 140 145 150
339 Pro
342 <210> SEQ ID NO: 12
343 <211> LENGTH: 148
344 <212> TYPE: PRT
345 <213> ORGANISM: Homo sapiens
347 <400> SEQUENCE: 12
348 Leu Cys Ile Leu Lys Arg Ala Pro Phe Lys Lys Ser Trp Ala Tyr
349 1 5 10 15
351 Leu Gln Val Ala Lys His Leu Asn Lys Thr Lys Leu Ser Trp Asn
352 20 25 30
354 Lys Asp Gly Ile Leu His Gly Val Arg Tyr Gln Asp Gly Asn Leu
355 35 40 45
357 Val Ile Gln Phe Pro Gly Leu Tyr Phe Ile Ile Cys Gln Leu Gln
358 50 55 60
360 Phe Leu Val Gln Cys Pro Asn Asn Ser Val Asp Leu Lys Leu Glu
361 65 70 75

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VERIFICATION SUMMARY

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